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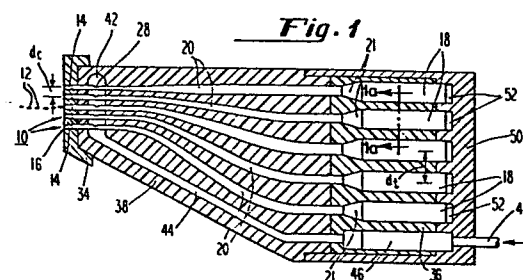
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Ink jet apparatus.

An elongated acoustic waveguide (20) couples a transducer (18) to an ink jet chamber (14) including an outlet orifice (16) through which droplets (12) of ink are ejected. In one embodiment, the waveguide (20) is directly coupled to ink within the chamber (14). Arrays are formed utilizing such ink jet chambers (14) and waveguides (20). Because the transducers (18) are located separately from the ink jet chambers (14), the latter can be arranged in a very compact array.





DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	IBM TECHNICAL DISCLOSURE BULLETIN, Vol. 18, No. 2, July 1975 New York J.L. MITCHELL et al. "Ink on demand printing and copying employing combined ultrasonic and electrostatic control" pages 608, 609 * fig. * -----	1,3	B 41 J 3/04
			TECHNICAL FIELDS SEARCHED (Int.Cl. 3)
			B 41 J 3/04
			CATEGORY OF CITED DOCUMENTS
			X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons
X	The present search report has been drawn up for all claims		&: member of the same patent family, corresponding document
Place of search Berlin		Date of completion of the search 23-12-1982	Examiner ZOPF